

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2035	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2035 Conaway	A	12.15						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					6.36			
Flood Preparedness & Training	0.12		0.12	0.99%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.10			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.12	0.00	0.12	0.99%	6.46	0.00	0.00	0.00

Unit No. 01 Cache Creek Settling Basin RB	Overall Unit Rating	Total Unit Miles						
RD2035	A	2.01						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00

Unit No. 02 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
RD2035	A	7.63						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					3.98			
<i>Supplemental</i>								
DWR UCIP Field Study					0.05			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	4.03	0.00	0.00	0.00

Unit No. 03 Willow Slough Bypass LB	Overall Unit Rating	Total Unit Miles						
RD2035	A	2.51						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.38			
<i>Supplemental</i>								
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.39	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Reclamation District No. 2035 Conaway**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 01 Cache Creek Settling Basin			Right	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/19/2018 - 4/19/2018		9/14/2018 - 9/14/2018	
DWR Inspector	Sterling York		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_3				
Comment Code					
Inspector Comment					
The LMA stated that they keep a copy of the O&M manuals on hand at the district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_4				
Comment Code					
Inspector Comment					
The district has emergency supplies and equipment on hand at their district office.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2035_01_s _ 2013_5				
Comment Code					
Inspector Comment					
The LMA plans on attending DWR Flood Fight training class this fall.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	10	
LM End	0.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.677393°	38.677393°	
				-121.709890°	-121.709890°	
DWR ID	17819					
Comment Code						
Inspector Comment						
FS_ID:41346 DS_ID:17819 EP_NO: 4363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/02/2013 This pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 7.8 feet below the crown. 30-inch welded steel pipe sleeved through the 36-inch corrugated metal pipe (CMP) with annular space grouted. Flap gate in 72-inch corrugated metal pipe (CMP) riser at the waterside (WS) toe with abandoned pump platform on the south side of East Main Street. (Permit No. 4363, 1963 - City of Woodland, City Engineer). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 4/2/2013 3:09:00 PM						

LM Start	0.00	Rating **	M	Issue No.	10 (cont)
LM End	0.00	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_41346_18102.jpg



Flap gate and pipe at bottom of 72-inch CMP riser on WS toe.

Photo 2 of 3 : UCIP_FA_2018_41346_18101.jpg



72-inch CMP riser on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2035 Conaway

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.02	Rating **	A/W	Issue No.	11 (cont)	
LM End	0.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.677377 °		38.677377 °
				-121.709487 °		-121.709487 °
DWR ID	17814					
Comment Code						
Inspector Comment						
FS_ID:10827 DS_ID:17814 EP_NO: 10127 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch concrete encased corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Grouted spillway on the WS. Pipe exposed on the landside (LS). (36-inch pipe [HLM 0.02] authorized under Automatic Board Order (ABO) issued as Permit No. 10127, 1974 - City of Woodland, Department of Public Works). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 126, November 1961, (HLM 0.01), listed as 5.5 feet below the crown]. FS Date: 4/2/2013						

LM Start	0.02	Rating **	A/W	Issue No.	11 (cont)
LM End	0.02	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10827_18108.jpg



Flap gate and spillway on WS toe.

Photo 3 of 3 : UCIP_FA_2018_10827_18107.jpg



Concrete encased pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.27	Rating **	M	Issue No.	12	
LM End	1.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.677249 °	38.677249 °	
				-121.686358 °	-121.686358 °	
DWR ID	17816					
Comment Code						
Inspector Comment						
FS_ID:42012 DS_ID:17816 EP_NO: 12597 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/02/2013 Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel conductor pipe for floating silt dredge through the levee, 3.4 feet below the crown. 10-inch steel pipe sleeved through the 18-inch steel conductor pipe with annular space grouted. Siphon breaker on the waterside (WS) shoulder in steel riser. (Permit No. 12597, 1978 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 4/2/2013						

LM Start	1.27	Rating **	M	Issue No.	12 (cont)
LM End	1.27	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_42012_18115.jpg



Exposed pipe at WS toe/stream.

Photo 2 of 3 : UCIP_FA_2018_42012_18114.jpg



Exposed pipe at WS toe/stream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.27	Rating **	M	Issue No.	12 (cont)	
LM End	1.27	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.677249 °	38.677249 °	
				-121.686358 °	-121.686358 °	
DWR ID	17816					
Comment Code						
Inspector Comment						
FS_ID:42012 DS_ID:17816 EP_NO: 12597 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/02/2013 Pipe appears abandoned and if so should be done so properly. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel conductor pipe for floating silt dredge through the levee, 3.4 feet below the crown. 10-inch steel pipe sleeved through the 18-inch steel conductor pipe with annular space grouted. Siphon breaker on the waterside (WS) shoulder in steel riser. (Permit No. 12597, 1978 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 4/2/2013						

Photo 3 of 3 : UCIP_FA_2018_42012_18113.jpg



Burried steel riser on WS shoulder

LM Start	1.87	Rating **	M	Issue No.	13
LM End	1.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677186 °	38.677186 °
				-121.675277 °	-121.675277 °
DWR ID	17867				
Comment Code					
Inspector Comment					
FS_ID:10913 DS_ID:17867 EP_NO: 13201 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/02/2013 Pipe needs to be properly marked or abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch casing of an unknown material through the levee, 25 feet below the crown. 3-inch gas line sleeved through the casing with annular space filled with bentonite. Possible vent for pipe on the landside (LS) next to Old River Road. (Permit No. 13201, 1981 - Pacific Gas and Electric Company [PG&E]). FS Date: 4/2/2013					

Photo 1 of 2 : UCIP_FA_2018_10913_18188.jpg



Natural gas well on south side of Old river road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.87	Rating **	M	Issue No.	13 (cont)
LM End	1.87	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677186 °	38.677186 °
				-121.675277 °	-121.675277 °
DWR ID	17867				
Comment Code					
Inspector Comment					
FS_ID:10913 DS_ID:17867 EP_NO: 13201 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 04/02/2013 Pipe needs to be properly marked or abandoned. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 8-inch casing of an unknown material through the levee, 25 feet below the crown. 3-inch gas line sleeved through the casing with annular space filled with bentonite. Possible vent for pipe on the landside (LS) next to Old River Road. (Permit No. 13201, 1981 - Pacific Gas and Electric Company [PG&E]). FS Date: 4/2/2013					

Photo 2 of 2 : UCIP_FA_2018_10913_18187.jpg



Vent pipe to right of JP next to Old River Road.

LM Start	1.94	Rating **	M	Issue No.	14
LM End	1.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677175 °	38.677175 °
				-121.674065 °	-121.674065 °
DWR ID	17817				
Comment Code					
Inspector Comment					
FS_ID:10914 DS_ID:17817 EP_NO: 2544 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/02/2013 Pipe appears to be abandoned as there is no pumphouse. Needs to be abandoned properly (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch steel drainage pipe through the levee, 5 feet below the crown. Pump on piling structure in drainage ditch on the landside (LS). 36-inch concrete standpipe on the waterside (WS) shoulder. (Permit No. 2544, 1957 - City of Woodland). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 4/2/2013					

Photo 1 of 1 : UCIP_FA_2018_10914_18189.jpg



36-inch Concrete stand pipe on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.00	Rating **	A	Issue No.	9
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677182°	38.677182°
				-121.672919°	-121.672919°
DWR ID	DWR_RD2035_01_f_2018_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
RD 2035 maintains the vegetation at a high level.					

Photo 1 of 1 : FA_2018_RD2035_238_9_20180914_00013.jpg



View of the mowed waterside slope, facing upstream. Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Right	7.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/19/2018 - 4/19/2018		9/14/2018 - 9/14/2018	
DWR Inspector	Sterling York		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.38	Rating **	U	Issue No.	980
LM End	0.38	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.671813 °	38.671813 °
				-121.671581 °	-121.671581 °
DWR ID	17822				
Comment Code					
Inspector Comment					
FS_ID:53429 DS_ID:17822 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/30/2018 Same as last inspection. Flap gate on the WS was submerged at the time of the inspection. Erosion is still present behind the headwall. Sink hole/burrow activity was observed along the concrete box located on the LS. Recommend internal inspection of the pipe section through levee to determine the condition of the pipe through the levee. Crossing remains Urgent due to signs of pipe leakage on LS. (O. Magana - DWR UCIP)09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Pump on platform in drainage ditch at the landside (LS) toe. Slide gate and flap gates in a 5-foot by 9-foot concrete box. Flap gate on the waterside (WS) toe. 8-inch vent/standpipe at the WS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 0.4) (4-foot by 4-foot concrete culvert listed)]. FS Date: 10/30/2018 1:55:00 PM					

LM Start	0.38	Rating **	U	Issue No.	980 (cont)
LM End	0.38	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53429_18202.jpg



Pumping plant off LS toe.

Photo 2 of 3 : UCIP_FA_2018_53429_18201.jpg



Pipe and flap gate with vent riser on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.38	Rating **	U	Issue No.	980 (cont)	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.671813 °	38.671813 °	
				-121.671581 °	-121.671581 °	
DWR ID	17822					
Comment Code						
Inspector Comment						
FS_ID:53429 DS_ID:17822 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/30/2018 Same as last inspection. Flap gate on the WS was submerged at the time of the inspection. Erosion is still present behind the headwall. Sink hole/burrow activity was observed along the concrete box located on the LS. Recommend internal inspection of the pipe section through levee to determine the condition of the pipe through the levee. Crossing remains Urgent due to signs of pipe leakage on LS. (O. Magana - DWR UCIP)09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Pump on platform in drainage ditch at the landside (LS) toe. Slide gate and flap gates in a 5-foot by 9-foot concrete box. Flap gate on the waterside (WS) toe. 8-inch vent/standpipe at the WS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 0.4) (4-foot by 4-foot concrete culvert listed)]. FS Date: 10/30/2018 1:55:00 PM						

Photo 3 of 3 : UCIP_FA_2018_53429_18200.jpg



Broken flap gate at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.41	Rating **	A	Issue No.	18	
LM End	0.41	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.671324 °		38.671324 °
				-121.671466 °		-121.671466 °
DWR ID	DWR_RD2035_02_f_2018_18					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
RD 2035 maintains the vegetation at a high level.						

Photo 1 of 1 : FA_2018_RD2035_239_18_20180914_00028.jpg



View of the burned and dragged waterside slope, facing downstream.
Fall 2018.

LM Start	1.20	Rating **	A/W	Issue No.	11
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.660050 °	38.659465 °
				-121.669028 °	-121.668940 °
DWR ID	DWR_RD2035_02_f_2018_11				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 1.2 R					
Status: Eroding					
2017 Field Notes: Small amount of toe erosion.					
Site History: 2011 - Small sections of slumping, likely from wind wave.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.71	Rating **	M	Issue No.	981
LM End	1.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.652721 °	38.652721 °
				-121.667790 °	-121.667790 °
DWR ID	22956				
Comment Code					
Inspector Comment					
FS_ID:50090 DS_ID:22956 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Pipe has been removed from the levee and the levee has been repaired. It is unknown if these repairs were done with a permit or if the fill was properly compacted. Gas line markers still on WS shoulder of levee. It is unknown if another gas line exists in this location. (T. Hatch/UCIP)04/02/2013 - Pipe does not have appropriate cover and is marked as gasoline. Does not appear to be a permitted utility. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *REMOVED* 4-inch steel pipe of an unknown purpose through the levee, 3 inches below the crown. 2-inch polyvinyl chloride (PVC) pipe sleeved through the 4-inch steel pipe. No other appurtenances found. Markers along alignment indicate that the pipe may be a gas line. FS Date: 9/14/2016					

LM Start	1.71	Rating **	M	Issue No.	981 (cont)
LM End	1.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_50090_18922.jpg



Pipe crossing with gasline marker on LS shoulder.

Photo 2 of 3 : UCIP_FA_2018_50090_18921.jpg



Pipe on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.71	Rating **	M	Issue No.	981 (cont)	
LM End	1.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.652721 °	38.652721 °	
				-121.667790 °	-121.667790 °	
DWR ID	22956					
Comment Code						
Inspector Comment						
FS_ID:50090 DS_ID:22956 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Pipe has been removed from the levee and the levee has been repaired. It is unknown if these repairs were done with a permit or if the fill was properly compacted. Gas line markers still on WS shoulder of levee. It is unknown if another gas line exists in this location. (T. Hatch/UCIP)04/02/2013 - Pipe does not have appropriate cover and is marked as gasoline. Does not appear to be a permitted utility. (W. Wylie/UCIP) FIELD_STRUCT_DESC: *REMOVED* 4-inch steel pipe of an unknown purpose through the levee, 3 inches below the crown. 2-inch polyvinyl chloride (PVC) pipe sleeved through the 4-inch steel pipe. No other appurtenances found. Markers along alignment indicate that the pipe may be a gas line. FS Date: 9/14/2016						

Photo 3 of 3 : UCIP_FA_2018_50090_18920.jpg



Pipe with gasoline markers on WS slope.

LM Start	1.98	Rating **	A/W	Issue No.	12
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.648881 °	38.648178 °
				-121.666653 °	-121.666385 °
DWR ID	DWR_RD2035_02_f_2018_12				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.0 R					
Status: Eroding					
2017 Field Notes: Toe continues to erode.					
Site History: 2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Small sections of slumping lower bank, just downstream of bank rock. 2016 - New cracks observed at the mid-slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.11	Rating **	A/W	Issue No.	17
LM End	6.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.647061 °	38.583800 °
				-121.666439 °	-121.630879 °
DWR ID	DWR_RD2035_02_f_2017_17				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:196					
Site Designation:RD 2035-09					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:5/18/2017					
Notes: This site had wave wash for approximatly 4.5 miles. The USACE has accepted it for repair under the PL84-99 program. This site will be repaired this year.					

No Photos

LM Start	2.15	Rating **	A/W	Issue No.	982	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.646445 °	38.646445 °	
				-121.666423 °	-121.666423 °	
DWR ID	17833					
Comment Code						
Inspector Comment						
FS_ID:10933						
DS_ID:17833						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)].						
FS Date: 4/2/2013						

Photo 1 of 3 : UCIP_FA_2018_10933_18226.jpg



Slide gates in concrete vault on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	982 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.646445 °	38.646445 °	
				-121.666423 °	-121.666423 °	
DWR ID	17833					
Comment Code						
Inspector Comment						
FS_ID:10933						
DS_ID:17833						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)].						
FS Date: 4/2/2013						

Photo 2 of 3 : UCIP_FA_2018_10933_18225.jpg



LS at intake.

LM Start	2.15	Rating **	A/W	Issue No.	982 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_10933_18224.jpg



Outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	983
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.646425 °	38.646425 °
				-121.666421 °	-121.666421 °
DWR ID	17877				
Comment Code					
Inspector Comment					
FS_ID:10934 DS_ID:17877 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)]. FS Date: 4/2/2013					

Photo 1 of 3 : UCIP_FA_2018_10934_18230.jpg



Slide gates in concrete vault on WS slope.

LM Start	2.15	Rating **	A/W	Issue No.	983 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_10934_18229.jpg



Intake at channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.15	Rating **	A/W	Issue No.	983 (cont)
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.646425 °	38.646425 °
				-121.666421 °	-121.666421 °
DWR ID	17877				
Comment Code					
Inspector Comment					
FS_ID:10934 DS_ID:17877 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe of an unknown material through the levee, 26 feet below the crown. Concrete well and gate structure on the waterside (WS) slope. Concrete headwalls on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 2.3) (6-foot by 6-foot concrete culvert listed)]. FS Date: 4/2/2013					

Photo 3 of 3 : UCIP_FA_2018_10934_18228.jpg



Concrete headwall on WS toe.

LM Start	2.18	Rating **	M	Issue No.	979
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646063 °	38.623062 °
				-121.666332 °	-121.648925 °
DWR ID	DWR_RD2035_02_s_2012_979				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the landside toe of the levee.					

Photo 1 of 1 : FA_2018_RD2035_239_979_20180904_00006.jpg



View of the ditch on the landward side of the levee looking downstream.
Fall 2016 and still exist Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.26	Rating **	A/W	Issue No.	13
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.645319 °	38.640997 °
				-121.665089 °	-121.661878 °
DWR ID	DWR_RD2035_02_f_2018_13				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.3 R					
Status: Eroding					
2017 Field Notes: Minor new toe erosion.					
Site History: 2011 - Erosion from wind waves along entire length of the levee toe. Several sections of slumping bank along the toe. 2016 - Fresh cracks observed.					

No Photos

LM Start	2.78	Rating **	A/W	Issue No.	14
LM End	3.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.638731 °	38.632783 °
				-121.660247 °	-121.655864 °
DWR ID	DWR_RD2035_02_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 2.8 R					
Status: Eroding					
2017 Field Notes: Erosion creeps further into levee toe.					
Site History: 2011 - Wave wash erosion and several sections of slumping bank along the toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.83	Rating **	M	Issue No.	984	
LM End	2.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.638024 °	38.638024 °	
				-121.659929 °	-121.659929 °	
DWR ID	17826					
Comment Code						
Inspector Comment						
FS_ID:41907						
DS_ID:17826						
EP_NO: 8640						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: 04/02/2013 Need to contact owner to determine status and location of crossing. Unable to locate. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 8-inch steel gas line through the levee, 4 feet below the crown. Valve on the waterside (WS) shoulder protected by two 2-inch steel pipes extending 1 foot above the ground. (Permit No. 8640, 1973 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990].						
FS Date: 4/2/2013						

No Photos

LM Start	3.70	Rating **	A/W	Issue No.	15
LM End	3.99	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.627145 °	38.623533 °
				-121.651820 °	-121.649176 °
DWR ID	DWR_RD2035_02_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 3.5 R					
Status: Eroding New					
2017 Field Notes: Unable to view due to access issues.					
Site History: 2016 - Erosion observed at levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	4.09	Rating **	A/W	Issue No.	16
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.622224 °	38.618302 °
				-121.648201 °	-121.645296 °
DWR ID	DWR_RD2035_02_f _ 2018_16				
Comment Code					
Inspector Comment					
2017 Site ID: YOL 4.2 R					
Status: Eroding					
2017 Field Notes: Unable to view due to access issues					
Site History: 2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011 - Small pockets of erosion throughout the site. Site formerly called 3.8.					

No Photos

LM Start	4.43	Rating **	M	Issue No.	985	
LM End	4.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.618030 °	38.618030 °	
				-121.645192 °	-121.645192 °	
DWR ID	17828					
Comment Code						
Inspector Comment						
FS_ID:11526						
DS_ID:17828						
EP_NO: 1701						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2013 Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe encased in 6 inches of reinforced concrete through the levee, 20.6 feet below the crown. Slide gate in a 7-foot-diameter corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pumping plant with 6 pumps and pipes that discharge into a 4-foot by 18-foot surge box on the landside (LS) toe. (Permit No. 1701, 1952 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 4.7)].						
FS Date: 4/3/2013						

Photo 1 of 3 : UCIP_FA_2018_11526_18935.jpg



Surge box and pumping plant on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	4.43	Rating **	M	Issue No.	985 (cont)	
LM End	4.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.618030 °	38.618030 °	
				-121.645192 °	-121.645192 °	
DWR ID	17828					
Comment Code						
Inspector Comment						
FS_ID:11526 DS_ID:17828 EP_NO: 1701 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 60-inch corrugated metal drainage pipe encased in 6 inches of reinforced concrete through the levee, 20.6 feet below the crown. Slide gate in a 7-foot-diameter corrugated metal pipe (CMP) riser on the waterside (WS) slope. Pumping plant with 6 pumps and pipes that discharge into a 4-foot by 18-foot surge box on the landside (LS) toe. (Permit No. 1701, 1952 - Reclamation District No. 2035). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 121, May 1959, (HLM 4.7)]. FS Date: 4/3/2013						

LM Start	4.43	Rating **	M	Issue No.	985 (cont)
LM End	4.43	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_11526_18934.jpg



7-foot diameter CMP riser and slide gate on WS slope.

Photo 3 of 3 : UCIP_FA_2018_11526_18933.jpg



7-foot diameter CMP riser and slide gate on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	4.43	Rating **	M	Issue No.	10
LM End	6.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.617921°	38.589619°
				-121.645109°	-121.631277°
DWR ID	DWR_RD2035_02_s_2013_10				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the landside levee toe.					

Photo 1 of 1 : FA_2018_RD2035_239_10_20180904_00001.jpg



View of the drainage ditch on the landward side of the levee looking downstream. Fall 2016.

LM Start	6.35	Rating **	A/W	Issue No.	31	
LM End	6.38	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.592840°	38.592390°	
				-121.631340°	-121.631320°	
DWR ID	DWR_RD2035_02_f_2017_31					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:195						
Site Designation:RD 2035-08						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/13/2017						
Notes: long longitudinal cracks on the crown. Scheduled for repair 2019.						

Photo 1 of 4 : FA_2018_RD2035_239_31_20180904_00002.jpg



View looking downstream landside of 2017 Storm Damage, sluffing site. All plastic is remove, sandbags remain, and is NOT scheduled to be repaired in 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	6.35	Rating **	A/W	Issue No.	31 (cont)	
LM End	6.38	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.592840 °	38.592390 °	
				-121.631340 °	-121.631320 °	
DWR ID	DWR_RD2035_02_f_2017_31					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:195						
Site Designation:RD 2035-08						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/13/2017						
Notes: long longitudinal cracks on the crown. Scheduled for repair 2019.						

LM Start	6.35	Rating **	A/W	Issue No.	31 (cont)
LM End	6.38	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : LEVAL_FA_2018_195_1600.jpg



Photo 3 of 4 : LEVAL_FA_2018_195_1603.jpg

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	6.35	Rating **	A/W	Issue No.	31 (cont)	
LM End	6.38	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.592840 °	38.592390 °	
				-121.631340 °	-121.631320 °	
DWR ID	DWR_RD2035_02_f_2017_31					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:195						
Site Designation:RD 2035-08						
Repair Type: Erosion						
Rating:Critical						
Field Date:7/13/2017						
Notes: long longitudinal cracks on the crown. Scheduled for repair 2019.						

Photo 4 of 4 : LEVAL_FA_2018_195_1592.jpg



LM Start	6.50	Rating **	M	Issue No.	986	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590691 °	38.590691 °	
				-121.631284 °	-121.631284 °	
DWR ID	17868					
Comment Code						
Inspector Comment						
FS_ID:50089 DS_ID:17868 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion on the LS toe at the sheet pile walls for the pumping plant is still present. It does not appear to be significantly different than during the previous inspection. Erosion should be monitored, but at this time does not appear to result in a potential threat to levee integrity. (T. Hatch/UCIP)04/03/2013 - Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 1 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

Photo 1 of 3 : UCIP_FA_2018_50089_18327.jpg



Steel walkway to slide gates on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	986 (cont)	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590691 °	38.590691 °	
				-121.631284 °	-121.631284 °	
DWR ID	17868					
Comment Code						
Inspector Comment						
FS_ID:50089 DS_ID:17868 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion on the LS toe at the sheet pile walls for the pumping plant is still present. It does not appear to be significantly different than during the previous inspection. Erosion should be monitored, but at this time does not appear to result in a potential threat to levee integrity. (T. Hatch/UCIP)04/03/2013 - Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 1 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

LM Start	6.50	Rating **	M	Issue No.	986 (cont)
LM End	6.50	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_50089_18326.jpg



Pumping plant on LS toe.

Photo 3 of 3 : UCIP_FA_2018_50089_18325.jpg



Slide gates at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	987	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590680 °	38.590680 °	
				-121.631283 °	-121.631283 °	
DWR ID	17891					
Comment Code						
Inspector Comment						
FS_ID:50088 DS_ID:17891 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion is still present on the LS of the levee off the WS toe. This erosion should continue to be monitored, but does not appear to be a threat to levee integrity at this time. (T. Hatch/UCIP)04/02/2013 - Severe erosion at pumping plant on LS toe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

LM Start	6.50	Rating **	M	Issue No.	987 (cont)
LM End	6.50	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_50088_18321.jpg



Steel walkway to Slide gate handles on WS shoulder.

Photo 2 of 3 : UCIP_FA_2018_50088_18320.jpg



Surge box and pumping plant on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/14/2018 09/14/2018	Zach Jojola

LM Start	6.50	Rating **	M	Issue No.	987 (cont)	
LM End	6.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590680 °	38.590680 °	
				-121.631283 °	-121.631283 °	
DWR ID	17891					
Comment Code						
Inspector Comment						
FS_ID:50088 DS_ID:17891 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion is still present on the LS of the levee off the WS toe. This erosion should continue to be monitored, but does not appear to be a threat to levee integrity at this time. (T. Hatch/UCIP)04/02/2013 - Severe erosion at pumping plant on LS toe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch reinforced concrete box drainage culvert through the levee, 22 feet below the crown. Steel walkway to the slide gate handles on the waterside (WS) shoulder. 6-foot by 18-foot surge box and pumping plant on the landside (LS) toe. This culvert replaced a 48-inch at the same location. (Permit No. 16480, 1995 - Conaway Conservancy Group and Reclamation District No. 2035). FS Date: 9/14/2016						

Photo 3 of 3 : UCIP_FA_2018_50088_18319.jpg



Slide gates at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2035 Conaway

Waterway			Bank	Unit Miles
Unit No. 03 Willow Slough Bypass			Left	2.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/19/2018 - 4/19/2018		9/14/2018 - 9/14/2018	
DWR Inspector	Sterling York		Zach Jojola	
Accompanied By	Peter Blum		Peter Blum	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.06	Rating **	M	Issue No.	973
LM End	2.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.575615 °	38.590919 °
				-121.636680 °	-121.658682 °
DWR ID	DWR_RD2035_03_s_2012_973				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2035_240_973_20180904_00002.jpg



View looking downstream of the landside ditch at the levee toe, Fall 2017.

LM Start	0.81	Rating **	M	Issue No.	974	
LM End	0.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.581057 °		38.581057 °
				-121.645142 °		-121.645142 °
DWR ID	17823					
Comment Code						
Inspector Comment						
FS_ID:53430 DS_ID:17823 EP_NO: 6123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/30/2018 Crossing has been downgraded from Urgent to Non-Urgent due to the reclassification of the gas lines. UCIP will need to coordinate with PG&E to determine pipe alignment and pipe status. (O. Magana - DWR UCIP)09/14/2016 - No markers present where the pipe crosses levee. pipe vent appears to indicate alignment parallel to the levee at its visible location. However, permit records indicate pipe does cross the levee approximately 75 feet south from the visible well. (T. Hatch/UCIP)04/03/2013 - Need to install gasline markers through the levee if pipe is still active. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch soil-proofed steel high-pressure gas line through the levee, 2.5 feet below the crown. There is a pipe at vent visible off the landside (LS) toe. (Permit No. 6123, 1968 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 10/30/2018 1:56:00 PM						

Photo 1 of 3 : UCIP_FA_2018_53430_18345.jpg



Gasline vent off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	0.81	Rating **	M	Issue No.	974 (cont)	
LM End	0.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.581057°	38.581057°	
				-121.645142°	-121.645142°	
DWR ID	17823					
Comment Code						
Inspector Comment						
FS_ID:53430 DS_ID:17823 EP_NO: 6123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 10/30/2018 Crossing has been downgraded from Urgent to Non-Urgent due to the reclassification of the gas lines. UCIP will need to coordinate with PG&E to determine pipe alignment and pipe status. (O. Magana - DWR UCIP)09/14/2016 - No markers present where the pipe crosses levee. pipe vent appears to indicate alignment parallel to the levee at its visible location. However, permit records indicate pipe does cross the levee approximately 75 feet south from the visible well. (T. Hatch/UCIP)04/03/2013 - Need to install gasline markers through the levee if pipe is still active. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 6-inch soil-proofed steel high-pressure gas line through the levee, 2.5 feet below the crown. There is a pipe at vent visible off the landside (LS) toe. (Permit No. 6123, 1968 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1990]. FS Date: 10/30/2018 1:56:00 PM						

Photo 2 of 3 : UCIP_FA_2018_53430_18344.jpg



Gasline vent off LS toe.

LM Start	0.81	Rating **	M	Issue No.	974 (cont)
LM End	0.81	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_53430_75935.jpg



View along the levee crown looking approximately north. The WS of the levee is on the left. The LS is on the right.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.39	Rating **	M	Issue No.	975
LM End	1.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.589425 °	38.589425 °
				-121.645359 °	-121.645359 °
DWR ID	17836				
Comment Code					
Inspector Comment					
FS_ID:41128 DS_ID:17836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Need to clear vegetation and debris from WS at outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 327+75)]. FS Date: 4/3/2013					

Photo 1 of 3 : UCIP_FA_2018_41128_18348.jpg



Slide gate and headwall in canal at LS toe.

LM Start	1.39	Rating **	M	Issue No.	975 (cont)
LM End	1.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_41128_18347.jpg



Slide gate and headwall in canal at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	1.39	Rating **	M	Issue No.	975 (cont)	
LM End	1.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.589425 °		38.589425 °
				-121.645359 °		-121.645359 °
DWR ID	17836					
Comment Code						
Inspector Comment						
FS_ID:41128 DS_ID:17836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Need to clear vegetation and debris from WS at outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Flap gate on the waterside (WS) end. Slide gate and concrete headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 327+75)]. FS Date: 4/3/2013						

Photo 3 of 3 : UCIP_FA_2018_41128_18346.jpg



Vegetated area blocks access to WS of pipe.

LM Start	2.17	Rating **	M	Issue No.	976	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.590934 °	38.590934 °	
				-121.658940 °	-121.658940 °	
DWR ID	17837					
Comment Code						
Inspector Comment						
FS_ID:11011						
DS_ID:17837						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2013 Debris and vegetation partially blocking inlet and outlet at both toes. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Slide gates on both ends.						
[Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 290+37)].						
FS Date: 4/3/2013						

Photo 1 of 2 : UCIP_FA_2018_11011_18354.jpg



Slide gate at WS toe showing excessive vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.17	Rating **	M	Issue No.	976 (cont)	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.590934 °	38.590934 °	
				-121.658940 °	-121.658940 °	
DWR ID	17837					
Comment Code						
Inspector Comment						
FS_ID:11011						
DS_ID:17837						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 04/03/2013 Debris and vegetation partially blocking inlet and outlet at both toes. (W. Wylie - DWR UCIP)						
FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 19 feet below the crown. Slide gates on both ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 290+37)].						
FS Date: 4/3/2013						

Photo 2 of 2 : UCIP_FA_2018_11011_18353.jpg



Slide gate at LS toe showing excessive vegetation.

LM Start	2.19	Rating **	M	Issue No.	977
LM End	2.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.590909 °	38.590909 °
				-121.659311 °	-121.659311 °
DWR ID	17838				
Comment Code					
Inspector Comment					
FS_ID:11012 DS_ID:17838 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Debris and vegetation partially blocking both ends of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Slide gate on the landside (LS) toe. Combination flap and slide gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 289+33)]. FS Date: 4/3/2013					

Photo 1 of 3 : UCIP_FA_2018_11012_18357.jpg



Combination flap and slide gate on WS toe. With excessive vegetation

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.19	Rating **	M	Issue No.	977 (cont)	
LM End	2.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.590909 °	38.590909 °	
				-121.659311 °	-121.659311 °	
DWR ID	17838					
Comment Code						
Inspector Comment						
FS_ID:11012 DS_ID:17838 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 04/03/2013 Debris and vegetation partially blocking both ends of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 18 feet below the crown. Slide gate on the landside (LS) toe. Combination flap and slide gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 120, June 1952, (Station 289+33)]. FS Date: 4/3/2013						

LM Start	2.19	Rating **	M	Issue No.	977 (cont)
LM End	2.19	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_11012_18356.jpg



Headwall at bottom of fenceline on LS to.e

Photo 3 of 3 : UCIP_FA_2018_11012_18355.jpg



Headwall and pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2035 Conaway

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/14/2018 09/14/2018	Zach Jojola

LM Start	2.23	Rating **	M	Issue No.	5
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590893 °	38.590760 °
				-121.659942 °	-121.665210 °
DWR ID	DWR_RD2035_03_s_2013_5				
Comment Code					
FE : Fence					
Inspector Comment					

LM Start	2.23	Rating **	M	Issue No.	5 (cont)
LM End	2.51	Issue Type +	En	Location *	LS

Photo 1 of 2 : FA_2018_RD2035_240_5_20180914_00014.jpg



Updated view of fence on the landside shoulder of the crown. Fall 2018.

Photo 2 of 2 : FA_2018_RD2035_240_5_20180904_00001.jpg



Fence along the landside shoulder of the crown belongs to the treatment plant and has not changed from previous inspections, Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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